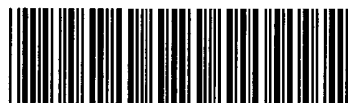


Search Notes



Application No.

10/645,429

Examiner

EBENEZER SACKY

Applicant(s)

HEPFER ET AL.

Art Unit

1626

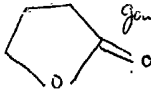

SEARCHED

Class	Subclass	Date	Examiner
549	295, 326	11/27/2004	ES
549	233, 508	11/27/2004	ES
568	864,884		

INTERFERENCE SEARCHED

Class	Subclass	Date	Examiner

SEARCH NOTES (INCLUDING SEARCH STRATEGY)

SEARCH NOTES (INCLUDING SEARCH STRATEGY)		
	DATE	EXMR
Inventors name searched CAS ONLINE FOR A PROCESS FOR PREPARING THE PRODUCTS:	11/27/2004	ES
$\begin{array}{c} \text{H} \quad \text{H} \\ \diagdown \quad \diagup \\ \text{C} = \text{C} \\ \diagup \quad \diagdown \\ \text{HO}_2\text{C} \quad \text{CO}_2\text{H} \end{array}$ maleic acid $\xrightarrow[\text{catalyst}]{\text{H}^+}$		
$\text{HO}_2\text{CCH}_2\text{CH}_2\text{CO}_2\text{H}$ succinic acid		
$\xrightarrow[\text{catalyst}]{\text{H}^+}$  gamma-butyrolactone		
$-2\text{H}_2 / +2\text{H}_2$ 1,4-butanediol $\text{HOCH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$ $\xrightarrow{-\text{H}_2\text{O}}$		
 tetrahydrofuran		